

Abstract

Construction industry considered to be the most important industry that has a direct impact to the economical growth for each country, but it faces such problems results in cost and time over runs and consequently reducing it's final out come i.e. construction productivity.

It has been reported that, infrastructure projects is represent 31.7% of the national expenditures as reported in the first half report for the financial year 2004 ¹. This reflects the governmental concern for this type of development projects as a corner stone for the desired economical growth.

Current research was intended to highlight the influence construction planning in the productivity of public sector projects, by comparing acquired productivity for infrastructure projects after applying an ideal project planning, illustrating the main obstacles that affect the application of planning techniques in public sector projects and investigating how the early application of planning influencing the productivity of public sector projects.

An ideal project plan is applied to the selected project, scheduling process results shows that project productivity will be enhanced by the means of reducing contractor cost by 46.4%, and project duration by 43% of the actual project duration.

It also concluded that the main obstacles that affect the application of planning techniques in public sector project is the hiring of un-qualified contracting firms using traditional methods of management and planning which affect job performance and consequently planning will affected. While the second obstacle is the shortage of well trained expertise professionals involved in the execution of such projects.

Finally the research concludes that implementing major projects without a consideration for the early stages of planning will affect total project cost and time and thus reduces productivity.